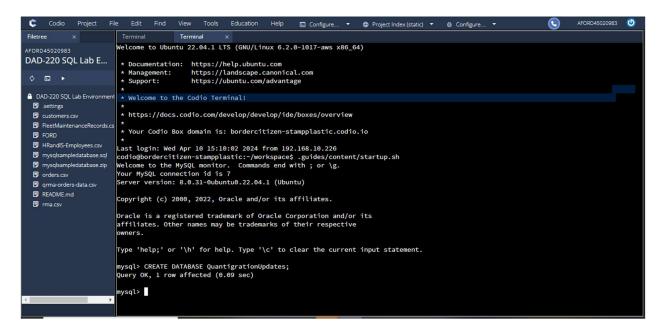


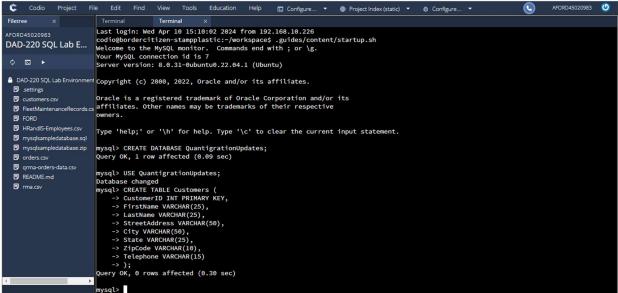
DAD 220 Project One - Anita Ford

Step One: Create a Database

- 1. In your online IDE (Codio), **create a database schema** called QuantigrationUpdates that will hold tables by using SQL commands.
 - a. List out the database name on the screen.
 - b. Provide the SQL commands you ran against MySQL to complete this step.

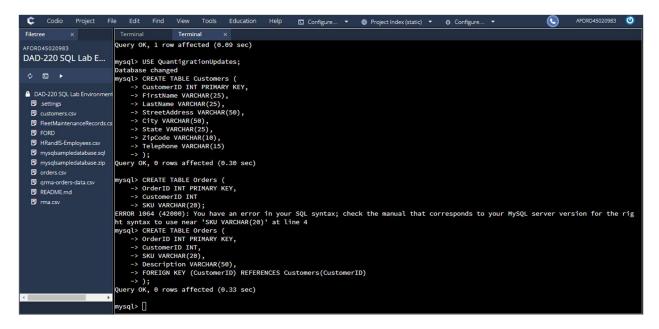


- Connect to the QuantigrationUpdates schema. Using the ERD as a reference, write SQL commands to create the following tables with the appropriate attributes and keys to demonstrate relationships based on the ERD.
 - A table named Customers to store customer information with a primary key of Customer ID. Provide the SQL commands you ran against MySQL to complete this step.

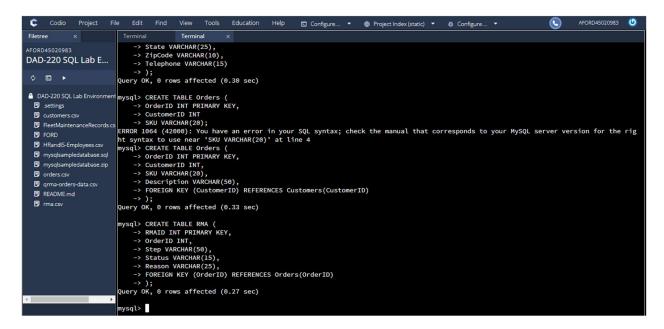




b. A table named Orders to store order information with a primary key of Order ID and a foreign key of Customer ID. Provide the SQL commands you ran against MySQL to complete this step.



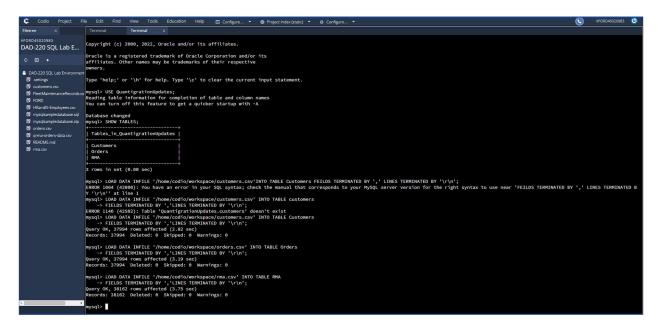
c. A table named RMA to store RMA information with a primary key of RMA ID and a foreign key of Order ID. Provide the SQL commands you ran against MySQL to complete this step.





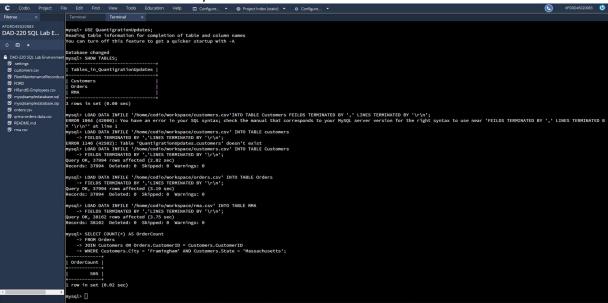
Step Two: Load and Query the Data

- 1. Import the data from each file into tables.
 - a. Use the QuantigrationUpdates database, the three tables you created, and the three CSV files preloaded into Codio.
 - b. Use the import utility of your database program to load the data from each file into the table of the same name. Perform this step three times, once for each table.
 - c. Provide the SQL commands you ran against MySQL to complete this step.



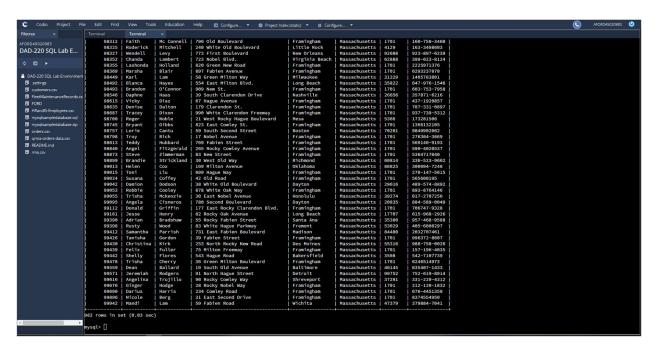


- 2. **Write basic queries** against the imported tables to organize and analyze the targeted data. For each query, replace the bracketed text with a screenshot of the query and its output. Also, include a one- to three-sentence description of the output.
 - a. Write a SQL query that returns the count of orders for customers located only in Framingham, Massachusetts.
 - i. This query will use a table join between the Customers and Orders tables. The query will also use a WHERE clause.
 - ii. How many records were returned? 505 records were returned.





- b. Write a SQL query to select all of the customers located in Massachusetts.
 - Use a WHERE clause to limit the number of records in the Customers table to only those who are located in Massachusetts.
 SELECT * FROM Customers WHERE State = 'Massachusetts'
 - ii. How many records were returned? 982 records were returned.

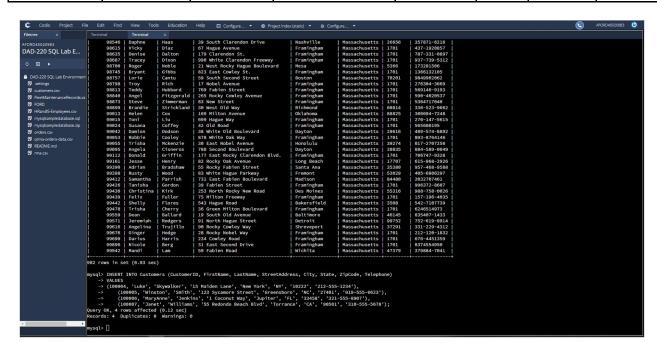




c. Write a SQL query to insert four new records into the Orders and Customers tables using the data below:

Customers Table

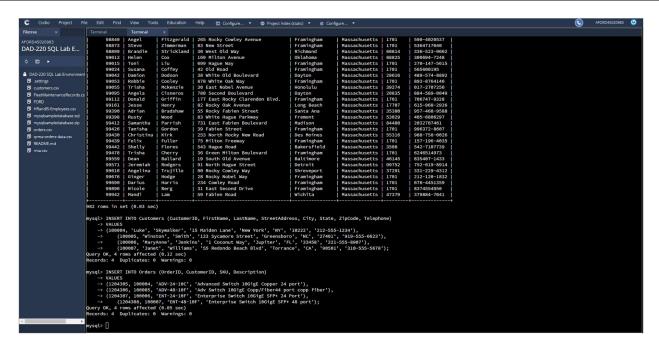
CustomerID	FirstName	LastName	StreetAddress	City	State	ZipCode	Telephone
100004	Luke	Skywalker	15 Maiden Lane	New York	NY	10222	212-555-1234
100005	Winston	Smith	123 Sycamore Street	Greensbor o	NC	27401	919-555-6623
100006	MaryAnne	Jenkins	1 Coconut Way	Jupiter	FL	33458	321-555-8907
100007	Janet	Williams	55 Redondo Beach Blvd	Torrence	CA	90501	310-555-5678





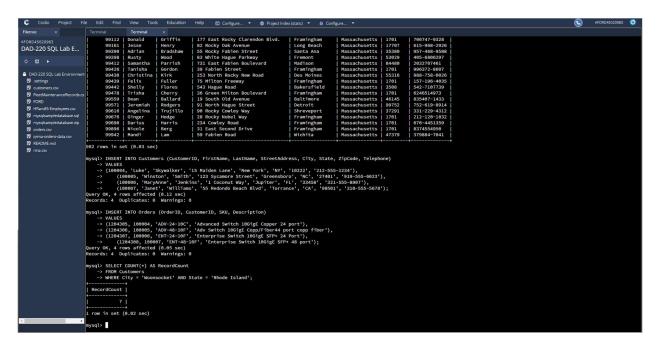
Orders Table

OrderID	CustomerID	SKU	Description
1204305	100004	ADV-24-10C	Advanced Switch 10GigE Copper 24 port
1204306	100005	ADV-48-10F	Advanced Switch 10 GigE Copper/Fiber 44 port copper 4 port fiber
1204307	100006	ENT-24-10F	Enterprise Switch 10GigE SFP+ 24 Port
1204308	100007	ENT-48-10F	Enterprise Switch 10GigE SFP+ 48 port

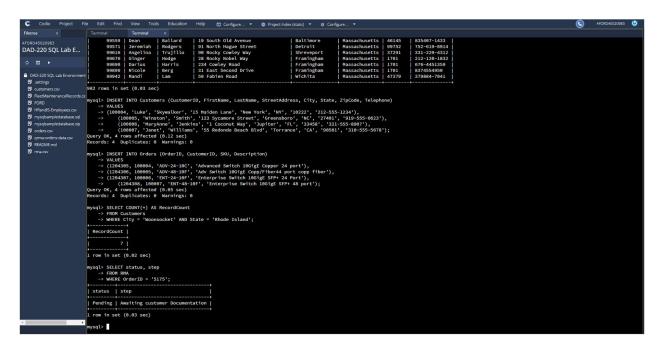




- d. In the Customers table, perform a query to count all records where the city is Woonsocket and the state is Rhode Island.
 - i. How many records are in the Customers table where the field "city" equals "Woonsocket"? 7 records.

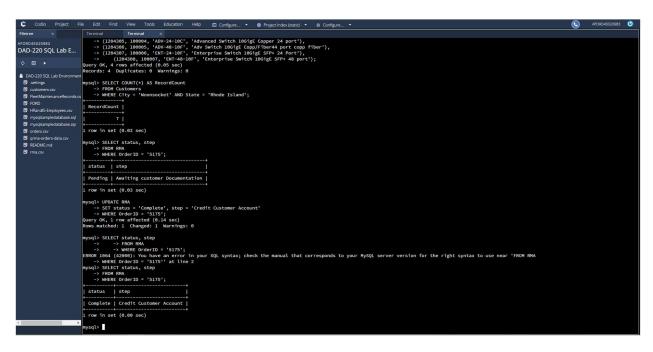


- e. In the RMA database, update a customer's records.
 - i. Write a SQL statement to select the current fields of status and step for the record in the RMA table with an OrderID value of "5175".
 - 1. What are the current status and step? Status = pending, Step = Awaiting customer Documentation

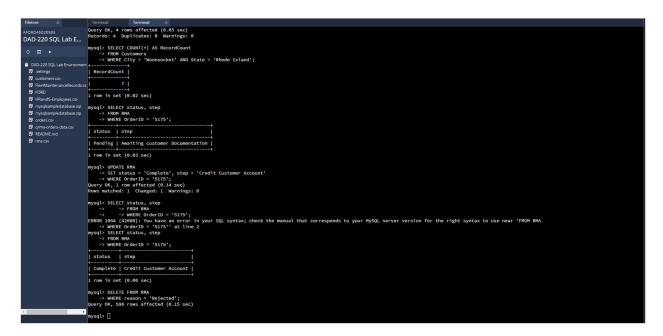




- ii. Write a SQL statement to update the **status** and **step** for the **OrderID**, 5175 to **status** = "Complete" and **step** = "Credit Customer Account".
 - What are the updated **status** and **step** values for this record? Status = Complete, Step = Credit Customer Account

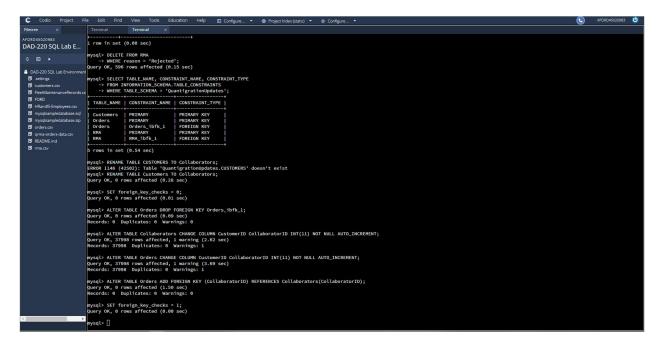


- f. Delete RMA records.
 - i. Write a SQL statement to delete all records with a reason of "Rejected".
 - 1. How many records were deleted? 596 rows affected.





- 3. **Update your existing tables** from "Customer" to "Collaborator" using SQL based on this change in requirements. Copy and paste the SQL you write to do the following action:
 - a. Rename all instances of "Customer" to "Collaborator".



4. **Create** an **output file** of the required query results. Write a SQL statement to list the contents of the **Orders** table and send the output to a file that has a CSV extension.

